

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method for flow correction of the calibrated relationship between pressure and flow rate comprising the steps of:

initially measuring the flow of a fluid through a dispensing device and forming a linear relationship between pressure and flow, said linear relationship having a maximum flow point and a slope;

providing a desired flow rate;

interpolating the desired pressure for said desired flow rate from said linear relationship;

dispensing through said dispensing device according to said desired pressure; and

measuring the flow through said dispensing device during subsequent dispense cycles and adjusting said slope to yield the desired dispense volume wherein said linear relationship is divided into at least two segments, the slope of each of said segments being adjusted individually.

Claim 2 (canceled) A method of flow correction of claim 1 wherein said linear relationship is divided into at least two segments, the slope of each of said segments being adjusted individually.